

POLYMORPHISMS IN THE BETA-2-ADRENERGIC RECEPTOR GENE

CCCGGGTTCA AGAGATTCTC CTGTCTCAGC CTCCCAGTA GCTGGGACTA	
CAGGTACGTG CCACCACACC TGGCTAATTT TTGTATTTTT AGTAGAGACA	100
AGAGTTACAC CATATTGGCC AGGATCTTTT GCTTCTATA GCTTCAAAAT	
GTTCTTAAGT TTAAGACATT CTTAATACTC TGAACCATAT GAATTTGCCA	200
TTTGTGTAAG TCACAGACGC CAGATGGTGG CAATTTACACA TGGCACAAAC	
CGAAAGATTA ACAAACTATC CAGCAGATGA AAGGATTTTT TTTAGTTTCA	300
TTGGGTTTAC TGAAGAAATT GTTTGAATTC TCATTGCATC TCCAGTTCAA	
CAGATAATGA GTGAGTGATG CCACACTCTC AAGAGTTAAA AACAAAAACA	400
CAAAAAAATT AAAACAAAAG CACACAACCT TCTCTCTCTG TCCCAAAATA	
CATACTTGCA TACCCCGGCT CCAGATAAAA TCCAAGGGT AAAACTGTCT	500
TCATGCTGTC AAATTCCTAA GGAGGGCACC TAAAGTACTT GACAGCGAGT	
GTGCTGAGGA AATCGGCAGC TGTGAAGTC ACCTCCTGTG CTCTTGCCAA	600
A	
ATGTTTGAAG GGAATACAC TGGGTACCG GGTGTATGTT GGGAGGGAG	
CATTATCAGT GCTCGGTGA GGAAGTTG GAGTACCCAG ATGGAGACAT	700
CCGTGCTGT GTGCTCTG ATGCTCTCAA GCCAGCGTGT GTTTACTTTC	
TGTGTGTGTC ACCATGTCTT TGTGCTTCTG GGTGCTTCTG TGTTTGTTTC	800
TGGCCGCGTT TCTGTGTGG ACAGGGGTGA CTTGTGCCG GATGCTTCT	
GTGTGAGAGC GCGCGCGAGT GTGCATGTC GTGAGCTGGG AGGGTGTGTC	900
A	
TCAGTGTCTA TGGCTGTGGT TCGGTATAAG TCTGAGCATG TCTGCCAGGG	
A	
TGTATTGTG CCTGTAATG CGTGCCTCGG TGGGCACTCT CGTTTCCTTC	1000
CGAATGTGGG GCAGTGCCGG TGTGCTGCCC TCTGCCTTGA GACCTCAAGC	
CGCGCAGGCG CCCAGGGCAG GCAGGTAGCG GCCACAGAAG AGCCAAAAGC	1100
TCCC GG GTT GCTGGTAAGG ACACCACCTC CAGCTTTAGC CCTCTGGGGC	
C	
CAGCCAGGGT AGCCGGGAAG CAGTGGTGGC CCGCCCTCCA GGGAGCAGTT	1200
T	
GGGCCCCGCC CGGGCCAGCC CCAGGAGAAG GAGGGCGAGG GGGGGGAGG	
T	
GAAAGGGGAG GAGTGCCTCG CCCCTTCGCG GCTGCCGGCG TGCCATTGGC	1300
CGAAAGTTCC CGTACGTCAC GGCAGGGGCA GTTCCCCTAA AGTCCTGTGC	
ACATAACGGG CAGAACGCAC TGCGAAGCGG CTTCTTCAGA GCACGGGCTG	1400
GAAGTGGCAG GCACCGCGAG CCCCTAGCAC CCGACAAGCT GAGTGTGCAG	
GACGAGTCCC CACCACACCC ACACCACAGC CGCTGAATGA GGCTTCCAGG	1500
CGTCCGCTCG CGGCCGCGAG AGCCCCGCGG TGGGTCCGCC CGCTGAGGCG	
T	

Figure 1A

CCCCCAGCCA GTGCGCTTAC CTGCCAGACT GCGCGCCATG GGGCAATCCG 1600
 C
 GGAACGGCAG CGCCTTCTTG CTGGCACCCA ATAGAAGCCN TCGCGCCGAC
 G
 CACGACGTCA CGCAGCAAAAG GGACGAGGTG TGGGTGTTG GCATGGGCAT 1700
 G
 CGTCATGTCT CTCATCTGCC TGGCCATCGT GTTGGCAAT GTCTGTGTCN
 TCCAGCCCAT TGCCAAGTTC TGGCGTCTCG AGACGGTCCAC CACCTACTTC 1800
 ATCATTAC TGGCCTGTGC TGATCTGTGC ATGGGCTTGS CAGTGTGGC
 A
 CTTTGGGGCC GCCCATATTC TTATGAANAAT GTGGACTTTC GGCACCTTCT 1900
 GGTGCGAGTT TTGGACTTCC ATTGATGTGC TGTGGCTCAC GGCAGCATT
 GAGACCTGT GCGTGATCCG AGTGGATCGG TACTTTGCCA TTACTTCACG 2000
 TTTCAAGTAG CAGAGGCTTC TGACCAAGAA TAAGGCCCGG GTGATCATTC
 TGATGGGTG GATTGTGTCA GGCTTACCT CCCTTTTGGC CATTGAGATG 2100
 T
 CATTGTACC GGGCAACCCA CCAGGAAGCC ATCAACTGCT ATGCCAATCA
 A
 GACCTGCTCT GACTTCTTCA CGAACCAAGG CTATGCCATT GCCTCTTCCA 2200
 TCGTGTCTT CTACGTTCCG CTGGTGATCA TGGCTTCCT CTACTCCAGG
 GTCTTTTCAG AGGCCAAAAG GCAGCTCCAG AAGATTGACA AATCTGAGGG 2300
 CCGCTTCCAT GTCCAGAAAC TTAGCCAGGT GGAGCAGGAT GGCCCGAAGG
 GGCATGGACT CCGCAGATCT TCCAACTTCT GCTTGAAGGA GCACAAAGCC 2400
 CTCAAGACGT TAGGCATCAT CATGGGCACT TTCAACCTCT GCTGGCTGCC
 CTCTTTCATC GTTAACATTG TGCATGTGAT CCAGGATAAC CTOATCCGTA 2500
 AGGAAGTTTA CATCCTCTTA AATGGATAG GCTATGTCAA TTCTGGCTTC
 AATCCCTTA TCATCTGCCG GAGCCAGAT TTCAGGATTG CTTTCCAGGA 2600
 GCTTCTGTGC CTGCGCAGGT CTTCTTTGAA GGCCTATGGG AATGGCTACT
 CCAGCAACCG CARCAACGGG GAGCAGAGTG GTATATCAGT GGAACAGGAG 2700
 AAGAAATA AATGCTGTG TGAAGACTC TCAGGCAGGG AAGACTTTGT
 GGGCCATCA GGTACTGTGC CTAGCGATAN CATTGATTCA CAGGGGAGG 2800
 ATTGTAGTAC AAATGACTCA CTGCTGTAAA GCAGTTTTTC TACTTTTAAA
 GACCCCCCCC CCCCCAACAG AACACTAAAC AGACTATTTA ACTTGAGGGT 2900
 AATAAACTTA GAATAAAATT GTAAAAATTG TATAGAGATA TGCAGAAGGA
 AGGGCATCCT TCTGCCTTTT TTATTTTTTT AAGCTGTAAA AAGAGAGAAA 3000
 ACTTATTGA GTGATTATT GTTATTGTGA CAGTTCAGTT CCTCTTTGCA
 TGGAAATTTGT AAGTTTATGT CTAAAGAGCT TTAGTCCTAG AGGACCTGAG 3100
 TCTGCTATAT TTTGATGACT TTTCCATGTA TCTACCTCAC TATTCAAGTA
 TTAGGGGTAA TATATTGCTG CTGGTAATTT GTATCTGAAG GAGATTTTCC 3200
 TTCCTACACC CTTGGACTTG AGGATTTTGA GTATCTCGGA CCTTTCAGCT

Figure 1B

GTGAACATGG ACTCTTCCCC CACTCCTCTT ATTTGCTCAC ACGGGGTATT	3300
TTAGGCAGGG ATTTGAGGAG CAGCTTCAGT TGTTCCTCCG AGCAAAGGTC	
TAAAGTTTAC AGTAAATAAA ATGTTTGACC ATGCCTTCAT TGCACCTGTT	3400
TGTCCAAAAC CCCTTGACTG GAGTGCTGTT GCCTCCCCCA CTGGAAACCG	
C	3451

Figure 1C

ISOFORMS OF BETA-2-ADRENERGIC RECEPTOR (ADRB2)

MGQPGNGSAF	LLAPNRSHAP	DHDVTQQRDE	VWVVGMGIVM	SLIVLAIVFG	
	G	E			
NVLVITAIK	FERLQTVTNY	FITSLACADL	VMGLAVVPFG	AAHILMKMWT	100
FGNFWCEFWT	SIDVLCVTAS	IETLCVIAVD	RYFAITSPFK	YQSLLTKNKA	
RVILMVWIV	SGLTSFLPIQ	MHWYRATHQE	AINCYANETC	CDFFTNQAYA	200
	I				
IASSIVSFYV	PLVIMVFVYS	RVFQEAQRQL	QKIDKSEGRF	HVQNLSQVEQ	
DGRTGHGLRR	SSKFCLKEHK	ALKTLGIIMG	TFTLCWLPPF	IVNIVHVIQD	300
NLIRKEVYIL	LNWIGYVNSG	FNPLIYCRSP	DFRIAFQELL	CLRRSSLKAY	
GNGYSSNGNT	GEQSGYHVEQ	EKENKLLCED	LPGTEDFVGH	QGTVPDNDID	400
SQGRNCSTND	SLL				413

FIGURE 2

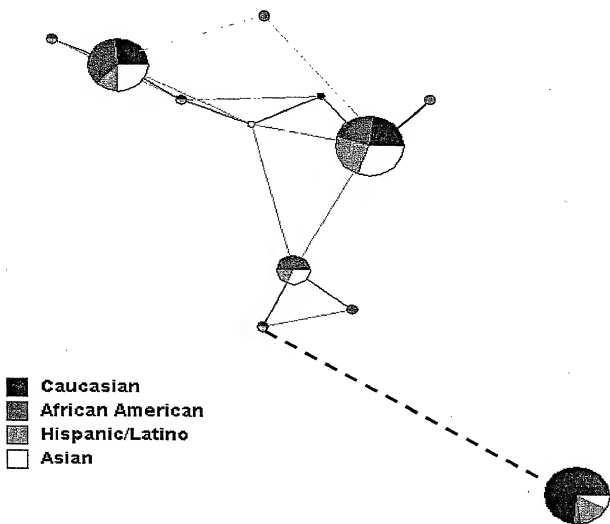


Figure 3

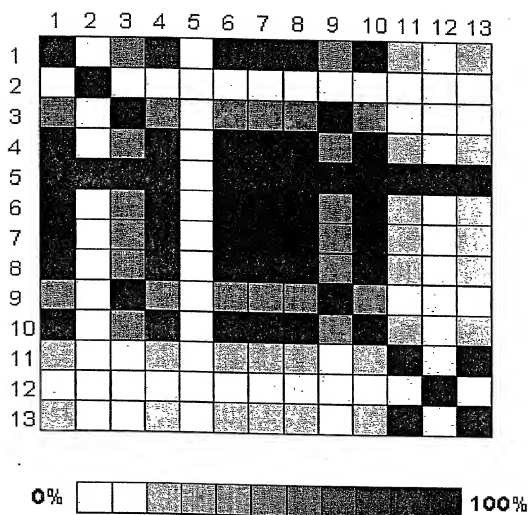


Figure 4

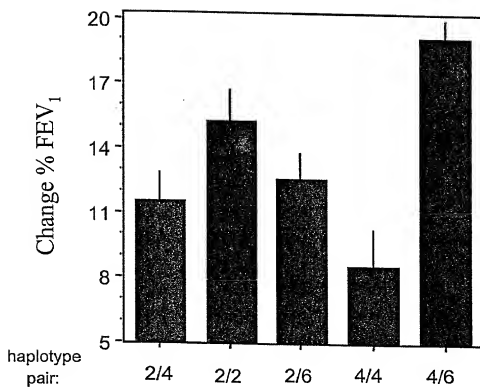


Figure 5

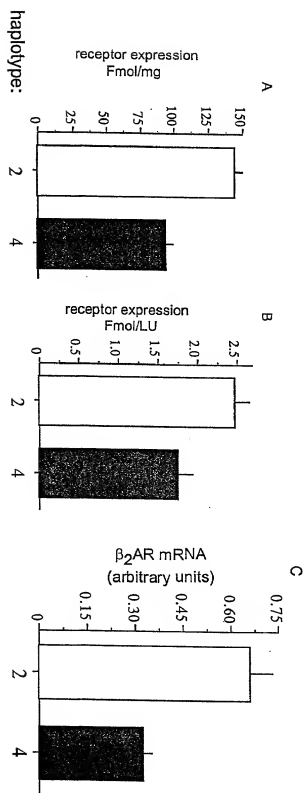


Figure 6